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Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims

1. (Currently Amended) ~~Process~~ A process for the manufacture of ~~aqueous suspensions of brochantite ($\text{Cu}_4(\text{OH})_6\text{SO}_4$) or antlerite ($\text{Cu}_3(\text{OH})_4\text{SO}_4$) or a mixture of both, having a content by weight of solids greater than 10%, by~~ the Bordeaux mixture of claim 27 which comprises reacting an aqueous solution of copper sulphate CuSO_4 (CuSO_4) with an aqueous suspension of solid particles of copper oxide or copper hydroxide used in a total SO_4/Cu molar ratio ranging from 0.25 to 0.40, the ~~said process being characterized in that an aqueous solution of CuSO_4 having a concentration by weight of copper of between 6% and 10% is mixed with an~~ and the ~~aqueous suspension of solid particles of copper oxide or copper hydroxide having a concentration of copper oxide or copper hydroxide between 15% and 50% by weight and in which wherein the mean diameter of the solid particles of copper oxide or copper hydroxide in the suspension is less than 25 μm , and wherein the reaction being is carried out at a controlled temperature of between 40° C and 100° C.~~
2. (Currently Amended) ~~Process~~ The process according to claim 1, characterized in that the aqueous suspension of solid particles of copper oxide or copper hydroxide additionally contains copper sulphate.
3. (Currently Amended) ~~Process~~ The process according to claim 1, characterized in that the mean diameter of the solid particles ~~of the aqueous suspension~~ of copper oxide or copper hydroxide in the aqueous suspension is between 0.1 and 10 μm .
4. (Currently Amended) ~~Process~~ The process according to claim 1, characterized in that ~~the~~ a residue from wet sieving with a 25

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μm sieve of the solid particles ~~of~~ in the aqueous suspension of copper oxide or copper hydroxide relative to ~~the~~ a dry extract of the solid particles in the aqueous suspension of copper oxide or copper hydroxide is less than 5% by weight.

5. (Currently Amended) ~~Process~~ The process according to claim 1, characterized in that the aqueous solution of CuSO_4 has a copper concentration by weight ~~of~~ between 6.5% and 8%.
6. (Currently Amended) ~~Process~~ The process according to claim 1, characterized in that the aqueous suspension of copper oxide or copper hydroxide has a concentration ~~of~~ between 20% and 30% by weight.
7. (Currently Amended) ~~Process~~ The process according to claim 1, characterized in that the copper oxide is copper(II) oxide CuO .
8. (Currently Amended) ~~Process~~ The process according to claim 1, characterized in that at the end of the reaction, excess copper sulphate is removed by filtration or neutralized with the aid of an organic or inorganic base.
9. (Currently Amended) ~~Process~~ The process according to claim 8, ~~characterized in that the neutralization of the excess copper sulphate is carried out with the aid of an~~ wherein the organic base is such as a salt of carboxylic or polycarboxylic acid in which the cation is selected from the group consisting of a ~~the~~ sodium ion, a potassium ion, an ammonium ion, ~~or~~ and an amine.
10. (Currently Amended) ~~Process for the manufacture of aqueous suspensions of brochantite having a solids content by weight greater than 10%, by reacting an aqueous solution of copper sulphate CuSO_4 with an aqueous suspension of copper oxide or copper hydroxide used in a~~ The process of claim 1, wherein the

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total SO_4/Cu molar ratio ~~ranging~~ ranges from 0.25 to 0.34, ~~according to one of claim 1, characterized in that, after mixing the reagents, wherein the reaction medium is kept~~ is carried out at an initial temperature ~~of~~ less than or equal to 60°C for ~~a period of~~ between one hour and 3 hours, and ~~then wherein the reaction medium is thereafter brought to~~ carried out at a higher temperature ~~which is maintained~~ for at least one hour.

11. (Currently Amended) ~~Process~~ The process according to claim 10, characterized in that the initial temperature is ~~preferably~~ between 40°C and 60°C .
12. (Currently Amended) ~~Process~~ The process according to claim 10, characterized in that the higher temperature ~~to which the reaction medium is brought~~ is at most equal to 100°C .
13. (Currently Amended) ~~Process for the manufacture of aqueous suspensions of brochantite, antlerite or a mixture of both having a solids content by weight greater than 10%, by reacting an aqueous solution of copper sulphate CuSO_4 with an aqueous suspension of copper oxide or copper hydroxide used in~~ The process of claim 1, wherein the total SO_4/Cu molar ratio ~~ranging~~ ranges from 0.33 to 0.40 ~~according to claim 1, characterized in that, after mixing the reagents, and wherein~~ the reaction medium is kept at an initial temperature of at most equal to 100°C for ~~a period of~~ between 0.5 hour and 3 hours.
14. (Currently Amended) ~~Process~~ The process according to claim 13, characterized in that the initial temperature is between 70°C and 100°C .

15-18. (Cancelled)

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19. (Currently Amended) ~~Use of a fungicidal composition according to claim 15,~~ A method for the fungicidal treatment of a crops in need of fungicidal treatment, comprising administering an effective amount of the Bordeaux mixture of claim 27 to the crop.
20. (Currently Amended) ~~Process~~ The process according to claim 1, characterized in that the mean diameter of the solid particles ~~of the aqueous suspension~~ of copper oxide or copper hydroxide in the aqueous suspension is between 0.5 and 5 μ m.
21. (Currently Amended) ~~Process~~ The process according to claim 1, characterized in that ~~the~~ a residue from wet sieving with a 25 μ m sieve of the solid particles ~~of~~ in the aqueous suspension of copper oxide or copper hydroxide relative to ~~the~~ a dry extract of the solid particles in the aqueous suspension of copper oxide or copper hydroxide is less than 2% by weight.
22. (Currently Amended) ~~Process~~ The process according to claim 1, characterized in that the aqueous solution of CuSO_4 has a copper concentration by weight ~~of~~ between 6.6% and 7.6%.
23. (Currently Amended) ~~Process~~ The process according to claim 8, characterized in that ~~the~~ neutralization of ~~the~~ excess copper sulphate is carried out with the aid of an inorganic base ~~such as~~ selected from the group consisting of sodium hydroxide, potassium hydroxide, lime, aqueous ammonia, ~~or~~ sodium carbonate, and ~~or~~ potassium carbonate.
24. (Currently Amended) ~~Process~~ The process according to claim 10, characterized in that the higher temperature ~~to which the reaction medium is brought~~ is between 65° C and 80° C.
25. (Currently Amended) ~~Process~~ The process according to claim 13, characterized in that the initial temperature is between 80° C and 90° C.

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26. (Cancelled)
27. (New) A Bordeaux mixture comprising brochantite ($\text{Cu}_4(\text{OH})_6\text{SO}_4$) or antlerite ($\text{Cu}_3(\text{OH})_4\text{SO}_4$), or a mixture of both, wherein the copper content is between 30% and 45% by weight.
28. (New) A cupric fungicidal composition comprising the Bordeaux mixture of claim 27 and a synthetic fungicide, wherein the copper content of the cupric fungicidal composition is between 15% and 40% by weight.
29. (New) The cupric fungicidal composition of claim 28, wherein the copper content of the cupric fungicidal composition is between 18% and 40% by weight.
30. (New) The cupric fungicidal composition of claim 28, wherein the synthetic fungicide is selected from the group consisting of mancozeb, maneb, zineb, cymoxanil, famoxadone, and bentiavalicarb.
31. (New) The Bordeaux mixture of claim 27, wherein the Bordeaux mixture is in the form of a suspension concentrate, suspo-emulsion, dispersable granule, or wettable powder.
32. (New) The Bordeaux mixture of claim 27 further comprising one or more adjuvants selected from the group consisting of dispersing agents, wetting agents, antifoaming agents, colorants, thickeners, pH regulators, and fillers.